



## For Fun

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Gemology Online Faceting Design Competition 2013

Vindictive Entry 3

Angles for R.I. = 1.540

48 + 8 girdles = 56 facets

1-fold, mirror-image symmetry

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L/W = 1.623 T/W = 0.578 U/W = 0.248

P/W = 0.574 C/W = 0.244

Vol./W<sup>3</sup> = 0.412

### PAVILION

P1	44.86°	12-84	Cut to mast depth X.
P2	50.19°	25-71	Cut to mast depth X.
P3	48.72°	29-67	Cut to mast depth X.
P4	43.20°	34-62	Cut to mast depth X.
G1	90.00°	12-36-60-84	Set stone size.
G2	90.00°	27-69	Meet P1, P2, G1
P5	69.92°	27-69	Level girdle.
P6	63.81°	31-65	Meet P2, P3, P5
G3	90.00°	31-65	Level girdle.
P7	50.27°	36-60	Level girdle.

### CROWN

C1	54.58°	12-84	Set girdle width.
C2	43.58°	27-69	Level girdle.
C3	43.88°	31-65	Level girdle.
C4	40.78°	36-60	Level girdle.
C5	42.55°	10-86	Meet G1, C1
C6	42.55°	14-82	Meet G1, G2, C1, C2
C7	36.06°	24-72	Meet G1, G2, C1, C2, C6
C8	39.97°	28-68	Meet G2, G3, C2, C3
C9	40.11°	29-67	Meet G2, G3, C2, C3, C8
C10	40.47°	32-64	Meet G1, G3, C3, C4
C11	37.22°	12-84	Meet C1, C5, C6
C12	29.74°	26-70	Meet C2, C7, C8; C6, C7, C11
C13	36.24°	31-65	Meet C3, C9, C10
C14	22.05°	31-65	Meet C8, C9, C12, C13; C10, C13
C15	6.00°	48	Meet C10, C13, C14
C16	21.60°	26-70	Meet C6, C7, C11, C12; C8, C9, C12, C13, C14
C17	24.66°	12-84	Meet C5, C11; C6, C7, C11, C12, C16
U	0.00°	Table	

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